

Amendments to the Claims

1. (CURRENTLY AMENDED) A method for improving the perceived resolution of a colour matrix display with at least one pixel, comprising the steps of subdividing an incident colour channel signal (R) to said pixel into a first and second signal component (R_1, R_2), applying a gain factor (G_R) to one of said signal components (R_1, R_2), and subsequently recombining said first and second signal components (R_1, R_2) into an exiting, modified colour channel signal (R').
2. (ORIGINAL) A method according to claim 1, wherein said first and second signal components are a low-pass component and a high-pass component, respectively.
3. (CURRENTLY AMENDED) A method according to claim 2, wherein said gain factor (G_R) is applied to said high-pass component.
4. (CURRENTLY AMENDED) A method according to ~~claim 2 or 3~~claim 2, wherein said low-pass component is realised by means of a low-pass filter ($1r$), and said high-pass component is realised by means of a high-pass filter ($2r$), said low-pass and high-pass filters ($1r, 2r$) being complementary.
5. (CURRENTLY AMENDED) A method according to ~~any one of the claims 1-4~~claim 1, further comprising the step of: providing the gain factor (G_R), so that the gain factor is inversely proportional to the contribution of the colour channel to the total luminance of the colour matrix display.
6. (CURRENTLY AMENDED) A method according to ~~any one of the preceding claims~~claim 1, further comprising the step of: transmitting said exiting, modified colour channel signal (R') to a delay and up- or downsampling block ($7,8$) in order to provide the modified colour channel signal (R') with a suitable delay and scaling.

7. (CURRENTLYA MENDED) A colour matrix display device having at least one pixel, said pixel being arranged to be controlled by means of an applied colour channel signal, the display device having a control unit (3) comprising:

- _____ a subdivision unit (4), for subdividing an incident colour signal (R) into a first and second signal component (R₁, R₂),
- _____ an gain factor application unit (5), for applying a gain factor to one of said components (R₂), and
- _____ a recombination unit (6), for subsequently recombining said first and second signal components (R₁, R₂) into an exiting, modified colour channel signal (R'), being used to control said pixel.

8. (CURRENTLYA MENDED) A colour matrix display device as in claim 7, being arranged to perform the method according to ~~any one of the claims 1-6~~claim 1.